

UNIVERSITY OF SOUTHERN CALIFORNIA CHRONICLE

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New task force to assess efficiency of all USC services

Organizational review: Consultants from Coopers & Lybrand will train university work-teams to identify areas for cost-cutting and service improvement.

by Carol Tucker

TO BECOME AN ACADEMIC LEADER among private research universities over the next decade, the university is launching a program to substantially reduce costs while enhancing or maintaining the quality of service.

Officials have determined that USC must focus its resources on programs in teaching, research, scholarship and creative activities if it is to attain a position of academic leadership among America's foremost private research universities – a goal set forth in the Strategic Plan adopted in 1994.

However, to increase the quality of service while reducing administrative costs over the long term, officials say USC will need to improve utilization of facilities and reorganize administrative and support services to cut down redundancies.

Toward this end, the university's goal is to cut direct and indirect administrative costs by \$13 million from fiscal year 1997 through 1999 while maintaining or enhancing service levels in central and academic units, according to the mission statement of the Cost and Service Task Force.

The task force – which in-



RENE FERTIK

From left, Cost and Service project manager Robert Johnson, task force member Kristine Dillon and project manager Michael Diamond. Diamond: "We have to restructure the way we do things, and that can't be mandated from the top."

cludes individuals from numerous departments and is guided by a steering group of deans and vice presidents from the University Park and Health Sciences campuses, co-chaired by provost Lloyd Armstrong Jr. and senior vice president Den-

nis Dougherty – was established last fall to develop an approach to meet this target.

According to USC's associate comptroller Robert Johnson, the university is seeking not only to find true, sustainable cost savings, but also to enhance

services to students, faculty and other "customers" of the university. The Cost and Service Task Force's approach will involve staff at all levels as well as faculty and students, as appropriate.

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A child's-eye view of the riot

by Meg Sullivan

With his descriptions of a big fire, a fist fight, looting and a massacre, the storyteller would have held his audience spellbound regardless of his age. But this storyteller happened to be four years old. And he was not unique.

Following three days of civil unrest in 1992, preschoolers at eight Los Angeles schools shocked USC researchers with an onslaught of violent yarns.

By comparing these stories with ones told during the same period by preschoolers elsewhere, the researchers were able to demonstrate a sad fact.

"People think that little kids are not paying attention or that they hear only what their parents want them to hear," said psychologist Jo Ann Farver, who led the research team. "It's important to realize that

they're affected by political violence."

In a new study, Farver reports that the Los Angeles preschoolers told significantly more violent stories than their peers in five other American communities.

Children in neighborhoods touched by the unrest were more likely to tell stories containing aggressive words, unfriendly figures and characters engaged in physical aggression.

The stories of riot-affected children even tended to resolve themselves differently, with characters more frequently resorting to force, the researchers found.

The study is striking because it leaves no room for doubt. "We could point to these findings and say, 'This [is the result of] exposure to riots,'" Farver said.

Research has consistently shown that when children under the age of five are exposed to trauma, they display the most extreme symptoms of all children and are the most difficult to treat.

The new study indicates that the effects of trauma are strongest for children who have direct exposure to an event – not just knowledge of it.

"This shows that children who stand to suffer the most have an even lower threshold

and greater sensitivity to distress than we thought," said Farver, an assistant professor of psychology.

The findings appear in the February issue of *Child Development*, which is devoted to children and mass violence. The special



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USC hosts IOM's 25th anniversary symposium

by Christine E. Shade

A PUBLIC SYMPOSIUM TO CELEBRATE the 25th anniversary of the founding of the Institute of Medicine, a unit of the National Academy of Sciences – takes place this week on the University Park Campus.

On Friday, Feb. 23, the one-day scientific symposium – titled "The Two Health Revolutions: Molecular Biology and Managed Care" – will examine major developments in these areas. The symposium, held in

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School of Dentistry launches PBL pilot

by Robert Wynne

IMAGINE A COLLEGE WITHOUT lectures. Or classrooms. For a dozen highly motivated first-year students at the School of Dentistry, this fantasy is a reality.

Created under the supervision of dean of dentistry Howard M. Landesman, the innovative pilot program uses a problem-based learning approach rather than traditional lectures and preclinical studies.

"The curriculum is the same as our dental school curriculum," Landesman said, "but the methodology is totally different."

On a typical day, two separate groups of six students are spread out around a conference table at the Center for Craniofacial Molecular Biology (a unit of the dental school based on the Health Sciences Campus). They are going over a patient's case history.

"The students will spend half a day discussing the case with a faculty facilitator, identifying the facts and establishing the learning needs they must accomplish," said CCMB director Charles F. Shuler, who heads the experimental problem-based learning program (PBL).

Recently the students spent a day grappling with "Javier's Broken Bones." The scenario involved a patient with an inherited disease that gives his teeth an unusual color and makes his bones extremely brittle. Students spent the morning discussing the patient's condition and the afternoon researching ways to understand the signs and symptoms. Each student concentrated on a specific area of investigation.



Charles Shuler meets with pilot program students. Shuler: "Just because a student is sitting in a traditional lecture doesn't mean he's getting it." Above, from left, are Thuy-Anh Nguyen, Shuler, Karush Beral, Nellifor Behzadi and Andy Ngo.

Making science really sizzle

Noble laureate George A. Olah presented the first annual USC/GLATSA Science Teaching Achievement Awards Feb. 10 to three Los Angeles-area teachers in recognition of their excellence. The award ceremony took place during a Greater Los Angeles Teachers' Science Association conference at Francisco Bravo Medical Magnet High School.

The USC-GLATSA award is part of an initiative from president Steven B. Sample intended to acknowledge the vital role of teachers in secondary education and the potential for enhancement of science instruction now possible thanks to recently released national standards for science education.

From left, Olah, holder of the Donald P. and Katherine B. Loker Chair in Organic Chemistry and director of the Loker Hydrocarbon Research Institute, presented the awards to Anna M. Gaiter, first-grade teacher at Harding Street Elementary School in Sylmar;

Margery Weitkamp, science teacher at Chaminade High School in Granada Hills; and Michael A. Morgan, science department chair and advanced-placement chemistry teacher at Francisco Bravo Medical Magnet High School. At far right is GLATSA president Diana Takenaga-Taga.

♦ Gaiter has taught for 13 years, has served as an LAUSD Science Services Teacher Leader, and is a teacher in the Los Angeles Museum of Science and Industry student weekend and



summer programs. Her motto is: "Science is everything. Everything is science."

♦ Weitkamp has taught science for 23 years and coordinates the yearly science fair at Chaminade High School. Many of her students go on to win at the state level. Among her awards has been the California State Science Teacher of the Year Award.

♦ Morgan has presented more than 100 workshops and demonstrations on chemistry.

He chairs the science research committee for the USC/Bravo science partnership and coordinates Bravo's Science Outreach Program, as well as the American Chemical Society's National Chemistry Week in Southern California.

As part of their awards, each of the honorees received a cash grant or a tuition waiver for a science education graduate course at USC's School of Education.

— Christine E. Shade

"The group atmosphere is terrific," said student Jay Berger. "Let's say the problem is facial nerve no. 7. You have to learn physiology, anatomy, embryology and biochemistry. How does the nerve work? I have to explain it to the rest of my group. Teaching it, you have to know it a lot better than sitting in a lecture hall and just listening."

The 12 students in the pilot program were selected from among 140 first-year students at the dental school. Eventually, the pilot program will comprise four sections of a dozen students each.

THE PBL CONCEPT HAS BEEN used at several medical schools,

including USC, Harvard University and the University of Hawaii.

However, the approach is unusual for first-year dental students, according to Shuler. "This style of learning is more typical of doctoral programs," he said.

Several benefits result when PBL is used.

"The big advantage is that, by using student inquiry as the essential element to learning, the students make a much greater commitment to understanding the material," he said.

Eleven professors – all members of the Center for Craniofacial Molecular Biology – assist the students in this program.

Students are graded on group participation, group learning, objective evaluations and "triple jump" exercises – overnight projects in which students must independently evaluate a case history.

Although some critics have charged that PBL can lead to gaps in the student knowledge, Shuler disagrees. "Just because a student is sitting in a traditional lecture doesn't mean he's getting it," Shuler said. "Once we explain our program, most clinicians are very receptive."

The program was developed in response to a report of the National Academy of Science's Institute of Medicine that recommends "all dental education be scientifically based, clinically relevant, medically informed and socially responsible."

"I'm very excited about this," Landesman said. "We're using an integrated approach to accomplish the education of the student in three major areas: basic biomedical science education, preclinical dental education and clinical dental education."

Many of the lessons learned in the program may later be incorporated into the traditional dental school curriculum.

"The goal is to educate a student who will be committed to life-long learning," Landesman said. ♦

UNIVERSITY OF SOUTHERN CALIFORNIA CHRONICLE

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USC IN THE NEWS

A selection of recent media placements about USC faculty, staff and students, compiled by the USC News Service and Health Sciences Public Relations

Eighty opinions around the world

During the first six months of the academic year, USC faculty and students wrote more than 80 op-ed articles for major newspapers, including 25 in *USA Today*, 27 in the *Los Angeles Times* seven in the *Los Angeles Daily News* and two in the *San Francisco Chronicle* with various other papers, such as the *New York Times*, *San Diego Union-Tribune*, *Orange County Register* and *Wall Street Journal* running at least one. Legal scholar **Susan Estrich** led with a weekly column in *USA Today* and six articles in the *Los Angeles Times* followed by family medicine specialist **Kathleen Dowling** (5), historian **Kevin Starr** (3), and law professor **Erwin Chemerinsky** (2). President **Steven B. Sample** wrote pieces for the *Los Angeles Times* and the *Orange County Business Journal* on higher education and Southern California's economy, and vice president for

external relations **Jane Pisano** wrote for the *Los Angeles Times* on the county's health crisis. Various other faculty contributed op-eds on such diverse subjects as the exodus from Congress, redevelopment, fetal experiments, religious extremism, breaking up the LAUSD, gang dynamics, Sarajevo, Mexico's economic crisis, and issues of tolerance and community. A few recent examples:

If large urban areas want to attract and keep such businesses as manufacturers of furniture and electronics, then emissions of by-products of chemical processes may be a fact of life. But a recent vote by the South Coast Air Quality Management District not to expand their "pollution market" known as RECLAIM (Regional Clean Air Incentives) made urban planner **Eric J. Heikkila** take a close look at that vote in a Jan. 29 *Los Ange-*

les Daily News op-ed. Without market incentives such as pollution entitlement, he wrote, "We are now further away than ever from RECLAIMing clean air." The public wants clean air, but seems unwilling to pay a higher price in manufactured goods to get it.

School of Religion ethicist **Donald E. Miller** teamed with Ph.D. candidate **Roger G. Fink** for a Jan. 7 *Los Angeles Daily News* opinion piece based on interviews with a cross-section of Los Angeles County + USC Medical Center physicians. "The true crisis is not one of economics," they wrote, "but of conflicting values that have rent the moral fabric of the community." Physicians, they contend, practice at LAC+USC "out of a sense of altruism and sacrifice," and the shift of public support away from caring for the indigent and uninsured is disheartening.

and late in life, rather than in the middle of life when people are more preoccupied with their jobs and their children. "It's a curvilinear relationship," **Giarusso** said.

"At USC, a Democrat and a Republican Can Work Together," said the headline on a Feb. 3 *Los*

Angeles Times feature about two seniors who set aside political differences to run USC's Program Board. The article described how **Sarah Szalavitz**, president of the California College Democrats, and **Stephen Leshner**, chairman of the California Republican Party's Youth Committee, have cooperated to attract such diverse speakers as **Oliver North** and **James Carville** to campus. The article also quoted political scientist **Alison Dundes Renteln**, who has taught both undergraduates in her classes. "I wouldn't be surprised if they ended up as colleagues in the U.S. Senate. Or one in the White House, picking the other to be in his or her staff or Cabinet," she said.

Public administration doctoral student **Renford Reese** and his "Colorful Flags" program were profiled in the Jan. 30 *Pasadena Star-News* after Reese visited a school in Pasadena. "If the raucous response Reese received from the 300 Washington [Accelerated Learning Center] students is any indication, his program was a hit. By the end of the assembly, students were using pronounced body English and shouting their

repetitions to such phrases such as 'anoon et encha?' (what is your name in Armenian)." Reese is a member of the President **Steven B. Sample** Fellows Program, which trains graduate students to become leaders in their professions and communities.

"Today's 50-year-olds are very different from those of 30 years ago," said **Edward D. Schneider**, dean of the Andrus Gerontology School in a *New York Times Syndicate* story that ran in the Jan. 30 *Star of Ventura County* and other regional papers. "People are smoking less, exercising more and watching their diets, so that by the time they reach 50, they're not much different from the way they were at 30 or 40," he said.

The Valley Focus section of the Jan. 29 *Los Angeles Times* visited an Early Music Society meeting in Sherman Oaks, where members heard a talk on the history of the lute by a lute maker. The range and flexibility of its notes make it very appealing, said **James Tyler**, who directs the School of Music's early music performance program. "When it's played by an expert, it has many textures of music," Tyler said, likening it more to the piano than the guitar because of its range. "It's a universal instrument."

Legal scholar **Michael Brennan** commented on a bizarre murder case in a Jan. 25 *Los Angeles Times* article. A Pomona man was facing 25 years in jail for scarifying an 86-year-old woman to death when he tied her up in her bathroom before robbing her. Under the state's felony murder rule, Brennan pointed out, "if you commit a felony and a death occurs as a direct result of your action, you can be charged with murder in the homicide."

Sociologist **Constance Ahrons** was quoted in a Jan. 25 *USA Today* story on a movement to repeal no-fault divorce, especially in the case of marriages that have produced children. "It will not solve anything," she said of proposed legislation that would force married couples once again to demonstrate grounds for divorce. "It will just escalate the issues." ♦

"You can buy celebrity," political scientist **Herbert Alexander** said in a Feb. 9 front-page story in the *New York Times*. The story described how presidential candidate and senator **Phil Gramm** was tens of thousands of dollars over budget in his bid for the Republican nomination. "You can buy publicity, but you can't buy the Presidency," he added. Alexander, who is director of the USC-based Citizens' Research Foundation, also appeared on a Jan. 30 two-hour episode of PBS's "Frontline." The program — titled "So You Want to Buy a President?" — explored what big financial donors want for their campaign contributions. "On many minor issues, it is possible as a result of political contributions to get special treatment in the law," he said. "But that doesn't necessarily mean the entire system is corrupt."

The New Year/Winter *National Hispanic News* magazine covered the Fisher Gallery exhibition, "The Mythic Present of Enrique Chagoya, Patssi Valdez, and Gronk."

Psychologist **Sarnoff Mednick** was featured in a Feb. 5 report on "Morning Edition," *National Public Radio's* morning newscast. The report described new research that has established links between obstetrical complications

and schizophrenia. Mednick has discovered that mothers infected with influenza had a higher risk of delivering children who later developed schizophrenia. The report also featured **Meggins Hollister**, a recent Ph.D. recipient from USC's psychology department. In a study with Mednick, Hollister has found a higher rate of schizophrenia among children who have different blood types than their mothers.

Business professor **Morgan McCall** discussed in the *Wall Street Journal* the consequences of having a messy desk. "Nobody derails because of that," McCall said in the story, which also ran in the Feb. 5 *Torrance Daily Breeze*.

Sociologist **Malcolm Klein** commented in a Feb. 5 *Los Angeles Times* front-page story about new crime-fighting strategies that target gang members with court orders against such activities as carrying a beeper or associating with other known gang members. "They don't solve the gang problem," he said. "The gang problem is going to be solved by trying to deal with the things that spawn gangs in the first place, not by dealing with gang behavior once there already are gang members." Klein had previously discussed the injunctions on *KCRW-FM's* "Which Way L.A.?" Klein's com-

ments also figured prominently in a Jan. 28 *Los Angeles Daily News* story about a rise in the number of California juveniles involved in violent crime. "Sooner or later the local community has to take control of its own problems," he said. "We keep turning it over to the police. [But] it's a community problem. It's their kids. And we're not very good at learning how to empower communities."

Gerontologist **Roseann Giarusso** discussed how the relationship between siblings changes over time on *National Public Radio* Feb. 4. The interview focused on why the sibling role is more important to people early

A teaching life

Gerontologist **Gerald Larue** was profiled on the front page of the Feb. 5 *Orange County Register's* "Accent" section for a story titled "A Teaching Life." The article mentioned Larue's career teaching at USC and his latest book, "Playing God: 50 Religions' Views on Your Right to Die." "Larue connects so compassionately with his students, the classes often turn into a form of therapy sessions for students troubled about death and aging," said the article. He was also quoted: "I don't care if students come out of my class with exactly the same belief system as when they came in ... but they're going to come out knowing why they believe this or that, why they support this or that."



New careers for post-Cold War engineers

by Eric Mankin

Mary K. Kennedy was working as a systems analyst at an aerospace company when she was caught in the wave of post-Cold War defense-industry layoffs. Today, she works in a very different field – designing computer animation software for Warner Brothers Digital Studios – thanks to a new School of Engineering initiative.

Kennedy is one of 24 dis-

placed defense-industry engineers and computer scientists who took part in a prototype retraining program that began a year ago. In a special ceremony Feb. 2, all but three members of this group received departmental certificates in Multimedia and Creative Technologies from C. L. "Max" Nikias, associate dean of the engineering school and director of the Integrated Media Systems Center (IMSC). (The remaining three are now finishing their coursework and are expected to complete the program.)



IMSC director C. L. "Max" Nikias, L.A. Community Development representative Jasper Williams, program graduate Sharon Spielman, IMSC associate director Jerry M. Mendel and program co-administrator Margery Berti.

At the ceremony, program graduate Sharon Spielman – formerly in semiconductors,

hoping for a new career in imaging – spoke for her classmates, thanking the city, the program

administrators and the university "for opening your classrooms to us and taking the chance."

"We did pull it off," she said, "but not without the efforts and dedication of many people."

Perhaps more important than the certificates to the participants have been the job-market results. At least eight of the 24 have found jobs, according to project co-administrator Margery Berti, and many others are close to being hired.

"The program worked very well for me," said former defense-worker Kennedy. "I'm delighted with my new job, which is building software tools that will be used to create animation for feature films. I hope the [retraining] program will continue so that others will be able to take advantage of it."

The program was co-sponsored by USC, the city of Los Angeles Private Industry Council and the Labor Employment Training Corporation. It is funded through Title III of the federal Job Training Partnership Act, and was carried out under the auspices of the IMSC.

To qualify for the program, candidates had to be area engineers and computer scientists who were laid off in the past three to four years.

The fellowships covered tuition, mandatory fees, books, parking at USC, gasoline and even child care while the students pursued M.S. degrees in either electrical engineering or computer science, with a spe-

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cialization in multimedia and creative technologies. They also got the benefit of a full-time job placement counselor, who has helped the students find positions in multimedia industries.

USC's contribution to the program also paid for extra tutoring services for the students, according to IMSC associate director for education Jerry M. Mendel.

City of Los Angeles representative Jasper Williams of the Los Angeles City Community Development Department was on hand last Friday to congratulate the students.

Williams is already dis-

cussing with Nikias an IMSC proposal for more multimedia fellows.

Yen T. Tran, who formerly worked as a signal processing expert, is pleased with her new job preparing multimedia materials for the Institute of Electrical and Electronics Engineers Computer Society.

Patrick Matthews, formerly an engineer, now works at Affinity, a new multimedia production company.

Even those who hadn't landed jobs said that the training was worthwhile and had improved their job prospects.

Donald Stavlo, who used to work for a defense contractor, hasn't been hired yet. "It was a gamble to put a year into train-

ing," he said. "But I believe it will pay off."

The IMSC includes an interdisciplinary faculty of more than 25 experts in engineering, journalism, communication, music and cinema-television, plus more than 80 students. The center's cross-disciplinary approach to research, education and outreach represents a "unique career opportunity," according to Nikias. More than 40 companies now participate in IMSC's industrial collaboration and technology-transfer programs.

The category of "multimedia and creative technologies" encompasses all forms of commu-

nication between human beings and computers, and among humans via computers. The term "creative technologies" refers specifically to interactive media products and computer aids to help create them.

Advancements in electronics have made computers and networks fast enough to process and transmit visual and audio media digitally – revolutionizing the way people interact with information and creating new information products. Traditional media, such as paper, vinyl and celluloid-8, are being supplanted by electronic forms, such as CDs and central data banks linked by high-speed digital networks. Analysts predict the merging of

the consumer electronics, entertainment, publishing, computer and telecommunications industries.

According to the 1993 Project California Update, the building of a multimedia and creative technologies industry will represent a market worth \$40 billion by 2000 and \$65 billion by 2010.

"This will represent a vast new job market for those with appropriate training," said Nikias. "I think the positions found by our new graduates show that we are on the right track with our multimedia program, in large part thanks to IMSC's industrial partners, who have given us a lot of guidance on how to design it." ♦

Cost and Service

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ate, to assess where best to make cost reductions and improve efficiency, stressed Johnson, who serves as a project manager along with vice provost for planning and budget Michael Diamond.

"This can only work if we marshal the efforts of a lot of people," Diamond said. "We have to restructure the way we do things, and that can't be mandated from the top. It has to come from people who know their jobs and have the most information."

The mission of cutting "indirect and direct administrative costs" means the task force will be looking at both academic and administrative revenue centers, Diamond said. Indirect costs refers to all the non-academic costs of running the university, based at administrative centers; direct costs are administrative costs, housed in the academic units.

Officials said the business service-improvement project is a much more long-term endeavor than the budget cuts that were mandated in fiscal year 1991-92.

"That was a necessary but quick response to hard financial times due to decreased enrollments," Diamond said. "Those actions, such as lay-offs and early retirements, have temporary effects but don't change the way we do business. If we want to have sustainable cost cuts and better service, we have to rethink the way we do things."

The current project, he said, is a strategic action aimed at directing the most resources to build academic excellence and

achieve the goals of the Strategic Plan, he said.

THE UNIVERSITY HAS ENLISTED the services of Coopers & Lybrand Consulting over the next six months to help launch the project. During that time, Cost and Service Task Force members will be trained so that the university can continue the project over the next three years without the consultants.

In cooperation with Coopers & Lybrand, the Cost and Service Task Force has devised a "Business Process Re-engineering" plan.

The consultants describe "re-engineering" as "a managerial approach that holistically incorporates institutional strategy, work processes, staffing and technology to dramatically improve performance using operational, technical and business knowledge in a unified way."

The project, which formally began Jan. 17, involves assessing a variety of "processes" – a term used in the plan to describe the activities, ranging from procuring goods and services to managing information, that take place at USC. The idea behind looking at overall processes is to understand how work is accomplished free of organizational boundaries. All assessments will encompass both campuses.

"This is a new way of looking at things at USC," said Kristine Dillon, associate vice president for student affairs and a task force member. "We're not just looking at any one management area but at things we do that often cross management lines."

The task force has identified 12 processes to assess, and has taken three processes off the table for consideration at present. Processes that won't be reviewed are: providing patient care (because it is beyond the scope of the task force); providing legal counsel (because legal services have recently been reorganized), and establishing and maintaining donor relationships (because of the timing of the Building on Excellence campaign).

The task force will begin working on three processes during the next six months. The first processes to be assessed are procurement of goods and services; managing facilities; and attracting, educating and retaining students.

"If we want to have sustainable cost cuts and better service, we have to rethink the way we do things."

— Michael Diamond

While these processes are up for immediate review, the task force is not assuming that the \$13 million in cost savings can be achieved within these areas, according to an executive summary describing the project.

Other potential areas of cost savings over the course of the project include processes that develop strategy; manage finances; conduct and administer research; establish and maintain community relationships; manage information resources; hire staff and students; manage the campus environment; pay staff, students and faculty; and manage intellectual property.

The task force will use a variety of methods in conducting the assessment – methods that will involve participation of all USC "customers," including staff, faculty, students and alumni, Diamond said. Among the assessment tools will be focus groups and surveys to understand the work performed by people in various units.

"We're trying to find out what activities are going on in individual units at the individual level – not just a person's job function but what they do on a day-to-day basis," Diamond said. "This way, we can make connections between jobs – see where there's overlap and underlap."

To carry out the assessments, the task force will assemble

"work teams," comprising individuals from the units involved and the university at large. The work teams will define institutional and customer needs, expectations and satisfaction levels for the process through interviews, surveys and focus groups. They will also map out the processes, analyze the data, document technology applications and carry out other functions. In conjunction with the task force, the work teams will develop and communicate a vision for the new process design and develop an informed case for change.

IN THE FIRST ASSESSMENT, WHICH focuses on the process of procuring goods and services, the procurement work-team has begun, with the help of Coopers & Lybrand, to "map out" the process. They are analyzing all the steps

of procurement – from the point that a customer decides to make a purchase to the point that the vendor is paid, said Mary Beth O'Connor, a managing associate of Coopers & Lybrand.

The procurement assessment will involve all departments that order any kind of goods and services, although the most important players are the offices of Purchasing and Accounts Payable, O'Connor said. Through the procurement assessment, which is expected to be completed in mid-April, the university will develop the internal capability to conduct future process-assessments on its own.

Related to the procurement assessment is a focused work group being established to examine purchases related to travel and to review travel policy at the university.

During the first phase, the task force and Coopers & Lybrand also will conduct a two-week assessment of the facilities process – which involves conducting interviews with senior administrators, deans or senior business officers and analyzing data. The university will do a shorter assessment of facilities than of procurement, because facilities has already undergone significant restructuring, O'Connor said. "We are now just trying to see where other opportunities for cost savings and enhancement of services are going to be," she said.

A third component of the first phase will be to develop a plan for the university to conduct an assessment of student services. A retreat is planned in March by the Cost and Service Task Force to discuss the lessons learned in the first two processes and to devise an assessment plan for student services. ♦



Researcher Jo Ann Farver and undergraduate co-author Dominic Frosch, with toy figures.

Riot stories

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issue includes research on children in Northern Ireland, Cambodia, Guatemala and Israel.

At the beginning of the study, researchers introduced nearly 200 children in five American cities to a range of common toys, including Smurf and Sesame Street characters, a car, human figures, farm animals and Lego blocks.

Then they prompted the children to make up stories about the toys while an audiotape captured their words.

"You can't directly ask young children to describe real-life events — they don't have the skills to express themselves that way," Farver said. "Pretend play allows them to discuss and symbolically resolve emotionally important themes that preoccupy them."

Of the 64 Los Angeles preschoolers studied, 75 percent had some aggressive content in their stories, which averaged just over 14 sentences long. By contrast, only about 37 percent of the 128 children from other parts of the country used aggressive words or threatening figures in their stories.

Stories told by children from areas touched by the rioting averaged slightly more than six aggressive words per story, including "gun," "kill," "shoot," "punch," "fight," "kick" and "hit," as well as sounds made when characters harmed or injured another figure, such as "pow" or "bang." That score was three times higher than in the other cities, where children averaged two aggressive words per story.

Serendipity played a major role in uncovering this startling data.

Farver had already been involved in a comprehensive study of preschoolers' behavior when not-guilty verdicts in the first Rodney King police brutality case touched off rioting in April 1992.

For nearly three months, she had been closely observing a group of children enrolled in eight preschools in East and South-Central Los Angeles, essentially establishing a baseline against which to compare future behavior.

Other researchers were carrying out the same work in preschools in San Jose, Calif., Newark, N.J., Detroit and rural Michigan for the High/Scope Educational Research Foundation, a Michigan think-tank. The organization hoped the results of the study would shed light on such quality-of-life issues for preschoolers as how much time they spent in preschool and with their parents.

Without intending to do so, the researchers had set up ideal conditions for measuring the impact on Los Angeles preschoolers of the 1992 unrest.

"You don't know when riots are going to happen, so you can't plan to research them," she said. "But we'd inadvertently established a baseline and a control group. It was a case of being in the right place at the right time."

When the unrest broke out, however, studying its effects on the children was far from Farver's mind.

"I was worried that they

wouldn't want us to come back because tension was so high," she said of the children's parents and preschool operators.

Even when Farver got the green light, roughly a week later, she only planned to move on to the study's next phase — studying language development in preschoolers through their ability to spontaneously tell a story.

It took Dominic Frosch,

"There were these guys in this car, ya see. And they was drivin' around looking' for the bad guys. But they couldn't tell who was the bad guys cause there was a big fire. Lotsa fire. So they took this gun and they shot the windows and all the doors and the tires on this car. And this guy comes and they kill all the people who was standin' there. And then somebody comes and punches this guy who was takin' stuff from this place. And that was the end!"

then a junior majoring in sociology and psychology, to wave a red flag. Frosch, a volunteer research assistant on the project, was assigned to prompt and monitor the children.

"I'd ask them, 'What's going on?' or I'd ask them to elaborate on what they were doing," he said.

The answers alarmed him.

"Regardless of what toys the children focused on, the outcome always seemed to be violent," he said. "Even if they were talking about something as

Average Frequency of Narrative Characteristics in Spontaneous Stories

	Riot Exposed	Control Group
Friendly figures	2.56	3.30
Unfriendly figures	2.53	0.95
Physically aggressive characters	5.30	1.39
Characters who master situations with aggression	1.82	1.06
Characters who master situations without aggression	1.03	1.58
Aggressive words	6.10	2.27

Source: "L.A. Stories: Aggression in Preschoolers' Spontaneous Narratives After the Riots of 1992," in *Child Development*, February 1996.

seemingly benign as a horse or a farm animal, the children managed to turn the toy into a violent toy. It was very shocking."

When he mentioned his observation to Farver, she, too, was struck by the data.

Initially, the researchers thought they were seeing "a symptom of the violent society we live in," Frosch said.

But when they reviewed tapes from the other participating cities, they didn't find the same tales, even among children from inner-city neighborhoods.

The non-exposed children were telling stories featuring more "friendly figures" or characters typified by behavior that included seeking or receiving help. These characters were less likely to resolve situations with aggression. When their stories did contain aggression, the behavior was more likely to be consistent with the toy's persona, Farver said.

"Instead of having the Cookie Monster kill someone, they'd say, 'Oh, no! The Cookie Monster just took a cookie from Smurf,'" Farver said.

The stories told by the riot-exposed children averaged two to three unfriendly figures or figures who physically threatened or harmed other characters — more than double the control average of one bad guy per story.

The difference in characters displaying physical aggression was the most pronounced, with an average of five to six inci-

dents for the riot-exposed children versus an average of one to two incidents for children not exposed to unrest.

Finally, stories told by the riot-exposed group were half again as likely to resolve conflicts through acts of force.

"Nothing like this has ever been done," Farver said. "It's just too hard to have the conditions in place for this kind of systematic study."

Researchers had not received clearance prior to the unrest to learn about difficulties in concentrating, sleep disorders or other symptoms of anxiety, they said. So they were not able to pinpoint any other fallout for the riot-affected children. But they point out that research has consistently shown that traumatized children experience these symptoms.

Only future research will reveal if the children suffered long-term consequences from the trauma, Farver said. Last summer High/Scope sent the researchers back to the original six sites to study the same children, who are now seven years old. Farver hopes the results will shed light on how the Los Angeles children fared.

For his part, Frosch, who graduated and is employed as a researcher at a private institute in Century City, admits to having mixed feelings about the study.

On the one hand, he marvels at his good fortune in linking up with the project.

"It's unusual to have had the opportunity to work on such a study and get it published," said Frosch, who is the study's second author.

But he can't help feeling sorry for the children whose stories he heard.

"I find it frightening to think of all the children who are exposed to chronic violence," he said. ♦

I N T E R D I S C I P L I N A R Y

Long-distance diagnostics

Medical technology: The USC Advanced Biotechnical Consortium teams up with Doheny Eye Institute to test new digital network. The USC-developed system can rapidly transmit patient records as real-time color video, photos and 3-D images.

by Jon Nalick
HSC PUBLIC RELATIONS

IN A SINGLE INSTANT OF STUDYING a computer image of the retina, ophthalmologist Donald A. Frambach knew the patient – a woman he had never met – would face permanent blindness unless she received immediate treatment for a "macular hole."

Frambach, an associate professor of ophthalmology at the Doheny Eye Institute, made his diagnosis to demonstrate a new technology that permits physicians to evaluate patients across town or across the country without ever leaving the office. While the USC ophthalmologist's diagnosis was moot – the patient had previously been diagnosed – the demonstration was a powerful one. It showed that real eye diseases could be diagnosed accurately from a remote location.

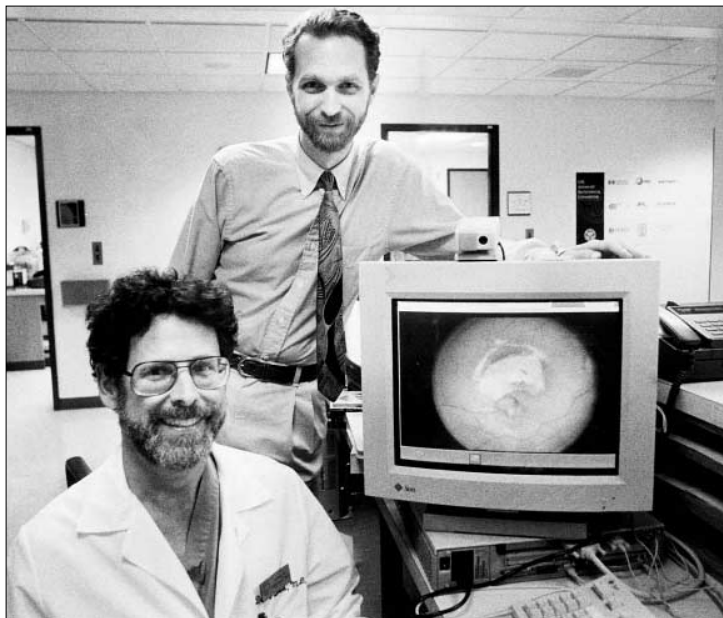
As part of a groundbreaking Doheny Eye Institute program

spearheaded by the USC Advanced Biotechnical Consortium (ABC), Frambach performed his consultation via a high-speed digital link that carries color video in real time, along with photos, graphics and three-dimensional images.

The network, one of the most advanced in the country, provides a glimpse into the future, when physicians will be able to deliver more timely and convenient health care while reducing costs and improving patient access and treatment outcomes, said ABC executive director Frederick W. George III, a professor of radiology in the School of Medicine.

"This telemedicine network allows us to create and share 3-D images and use them for better, faster diagnoses and treatment – saving time, dollars and, most importantly, lives," he said.

For Frambach's patients, rapid diagnoses are crucial.



Ophthalmologist Donald A. Frambach, left, with ABC technical expert Rod Zalunardo.

RENE FERTIK

"In this case, the recommendation was for immediate therapy because, left untreated, the condition is devastating and irreversible," George said.

AT THE HEART OF THE NETWORK is a series of high-speed fiber-optic links and digital switches that can transfer data at a speedy 155 megabits per second – about 5,500 times faster than the fastest modems widely used for home computers, according to ABC administrative director Rod Zalunardo, who is in charge of the system's technical implementations. The network can also exchange data with other networks – though usually at a slower speed – enabling doctors to diagnose patients in Hemet, Calif., or Albany, N.Y. – or even in Moscow.

"This makes it possible to move the images and not the patients or the doctors. That alone will markedly enhance access," George said. "It should speed health-care delivery and reduce costs also, because it accelerates timely diagnosis and reduces lengths of stay. It also makes it possible to provide timely diagnoses and admissions rather than delaying until emergency admissions are necessary. That saves money."

Another advantage, surprisingly, is an improvement in diag-

nostic accuracy. Strange as it may seem, reviewing digitized patient photos or video on a computer screen can be more revealing than physical examination alone – partly because digital information can easily be manipulated to emphasize certain features.

George explains the concept: "If you're at a football game on a cloudy day, everything appears gray. But at home, on TV, the game appears more bright and colorful. That's a function of electronic image enhancement. That same kind of image en-

"This makes it possible to move the images and not the patients or the doctors."

– Fred George

hancement, coupled with greater magnification, improves the diagnostic acuity, because you can see details that are not otherwise apparent."

The technology holds another advantage for community practitioners who seldom see exotic cases. These doctors will now be able to transmit patient information, complete with color photos or video, to a specialist with just a few clicks of a mouse.

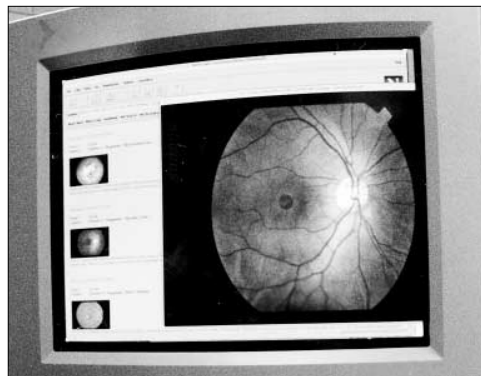
THE NETWORK WAS CREATED two years ago via a PacBell-CALREN grant to ABC. It was origi-

nally intended for use by the Department of Radiology, and has since grown to include the Doheny Eye Institute, the Los Angeles County + USC Medical Center, the School of Medicine, the USC/Norris Comprehensive Cancer Center, USC University Hospital and the Pasadena-based Jet Propulsion Laboratory's Supercomputing Center. Within the next week, a high-speed connection should be completed for Childrens Hospital Los Angeles, George said. This will permit Linn Murphree, a Childrens

Hospital-based professor of ophthalmology and pediatrics, to use JPL's supercomputer to plan eye-tumor treatments and transmit the plans to the Norris Cancer Center when patients require radiation therapy.

At present, the network is used primarily for demonstration and testing, but by this October, George said, it should be up and running for full-scale clinical operations and regular long-distance consultations.

"The whole ABC team looks forward to the challenge of bringing the program to full-scale clinical reality," he said, "because it has such great potential to improve the quality of patient care and strengthen the position of the School of Medicine both academically and financially." ♦



JON NALICK

From a real patient's file, a transmitted retinal photograph showing a macular hole. At left are thumbnails of other possible views.

Highlights

► WHICH WAY, MEDICINE?

Warren Olney – host of KCRW's daily discussion program, "Which Way LA?" – joins with leading members of the Southern California medical and scientific community to mark the 25th anniversary of the National Academy of Science's Institute of Medicine. Molecular biologist Leroy Hood of the University of Washington is the keynote speaker at the day-

long symposium on "Two Health Revolutions: Molecular Biology and Managed Care." He addresses the topic of "Genes, Genomes and Medicine of the 21st Century," at 9 a.m. Los Angeles County Supervisor Zev Yaroslavsky, speaks on "Los Angeles County's Health-Care Crisis: Meeting the Challenge," at 12:25 p.m. Olney moderates a panel discussion on genetics and health-care delivery at 3:40 p.m. Other participants include Joel Greenberg, health and science editor of the *Los Angeles Times*, and Robert E. Tranquada, holder of USC's Norman Topping-National Medical Enterprises Chair in Medicine and Public Policy at the

School of Public Administration. Advance registration is required for the symposium, which takes place on Friday, Feb. 23, from 7:30 a.m. to 5 p.m., in Hancock Auditorium. To register and for more information, call 740-0546. *For full program schedule, see page 10.*

► LUCK BE A LADY

Frank Loesser's classic Broadway musical *Gypsy and Dolls* begins a 10-day run at the Bing Theater. Directed by Nikki Hevesy of the School of Theatre with musical direction by USC alumnus Mitch Hanlon, assistant conductor for the Hollywood Bowl Orchestra, the

C A L E N D A R

Special Events

Through February: Faculty/Staff Clinic. "Heart Attack and Stroke Survival and Blood Pressure Screening Consultations" for benefits-eligible faculty and staff in honor of National Heart Health Month. \$10, free to USC Network Plans subscribers. University Park Health Center, 849 W. 34th St., Rm. 220. Free. (740-3757)

Lectures & Seminars

Tuesday, Feb. 20, noon: **Cancer Center Grand Rounds.** "Acute Promyelocytic Leukemia-A Leukemia with Distinct Clinical, Molecular and Epidemiological Aspects" by Dan Douer (medicine). Pharmaceutical Sciences Center, Rm. 112, Health Sciences Campus. Free. (764-0800)

Tuesday, Feb. 20, 12:15 p.m.: **Psychiatry Speakers' Forum.** "New Psychosocial Strategies in Psychoses With an Update on Atypical Psychotics" by William Wirshing (UCLA). Hastings Auditorium, Hoffman Medical Research Center, 2011 Zonal Ave. Free. (342-3711)

Tuesday, Feb. 20, 4 p.m.: **Annenberg Colloquium.** "Interactive Media for Social Problems" by Stephen Read (psychology). Kerckhoff Hall. Refreshments served, 3:30 p.m. Reservations required. Free. (743-2520)

Tuesday, Feb. 20, 4:30 p.m.: **USC Hillel.** "Jewish Mysticism." Open discussion with Rabbi Susan Laemmle. Hillel Jewish Center, 3300 S. Hoover Blvd. Free. (747-9135)

Wednesday, Feb. 21, noon: **Multiethnic & Transnational Studies Colloquium.**



Adapted from the stories of Gabriel Garcia Marquez, the Mexican film *Erendira*, directed by Ruy Guerra, is the story of a young girl forced into prostitution by her grandmother. It screens Thursday, Feb. 22, at 7 p.m., in room 202 of Taper Hall of Humanities. Tickets are \$3.

"Transnational Culture, Multiethnicity and the Arts." Margo Apostolos (theatre) and Todd Boyd (cinema & television) participate. Faculty Center. Reservations requested. Admission: \$5 (includes buffet luncheon). (740-1068)

Wednesday, Feb. 21, noon: **Norris Medical Library Lecture.** Sharon Dugan (Network and Systems Consulting) discusses "The Electronic Patient Record." Norris Medical Library, Conference Rm., Health Sciences Campus. Free (342-1968)

Wednesday, Feb. 21, 4 p.m.: **Economic Development Seminar.** "Demand for Environmental Goods: Evidence From Voting Patterns on California Initiatives" by John Matsusaka (UCLA). Kaprielian Hall, Rm. 319. Free. (740-2108)

Wednesday, Feb. 21, 4 p.m.: **Neuroscience Seminar.** "Why Neurons Make Bad Local Coincidence Detectors But Good Periodicity Detectors" by Bartlett Mel (biomedical engineering). Hedco Neuroscience Auditorium. Reception follows. Free. (740-9176)

Wednesday, Feb. 21, 6 p.m.: **Architecture Lecture.** "Passive Cooling in Spanish Courtyards." John Reynolds (University of Oregon) delivers the "Konrad Wachsmann Technology Lecture." Harris Hall, Rm. 101. Free. (740-2097)

Thursday, Feb. 22, 10:30 a.m.: **Emeriti Center Lecture.** John L. Mohr (biological sciences) presents "Member Nation or Policeman of the World" as part of a series on "Issues and Events That Are Shaping Our World." Older Adult Service and Information Center (OASIS), 6282 W. Third

St. (across from Farmers Market). Free. (931-8969)

Thursday, Feb. 22, noon: **USC Liver Disease Research Center.** "Hereditary Nonpolyposis Colorectal Cancer: Clinical and Molecular Characteristics" by Daryl Shibata (pathology). Ambulatory Health Center Auditorium (Old Doheny Bldg.), 1355 San Pablo St. Health Sciences Campus. Free. (342-5571)

Thursday, Feb. 22, noon: **Author Reading.** James Ragan (professional writing) reads from his new book of poems *The Hunger Wall*, at an Emeriti Center Retiree Book Club luncheon. Faculty Center. Lunch: \$9.50. Reservations required. (310-645-9453)

Thursday, Feb. 22, 3 p.m.: **Southern California Studies Center.** Philip J. Ethington (his-

tory) discusses "The Emergence of the Los Angeles School." Grace Ford Salvatori Bldg., Rm. 330. Free. (740-5303)

Thursday, Feb. 22, 3:15 p.m.: **Mechanical Engineering Seminar.** "Chemical Inhibition of Nonpremixed Flames" by Kal Seshadri (UC San Diego). Olin Hall of Engineering, Rm. 406. Free. (740-0484)

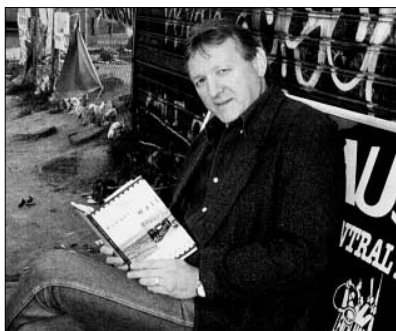
Friday, Feb. 23, 10 a.m.: **IPR Seminar.** "The Impact of Social-Psychological Factors on Domestic Violence Among Low-SES Families" by Sandra Cox (Charles R. Drew University of Medicine and Science). Center for Health Professions, Rm. 101, 1540 Alcazar St., Health Sciences Campus. Free. (342-2622)

Friday, Feb. 23, 11 a.m.: **Hematology Grand Rounds.** "Acute Promyelocytic Leukemia: Part II." Dan Douer (medicine) and Eric Chang (medicine) discuss "Epidemiology" and "Molecular Biology," respectively. General Hospital, Rm. 7441, 1200 N. State St., L.A. County + USC Medical Center. Free. (764-3913)

Friday, Feb. 23, 3 p.m.: **Geography Colloquium.** Richard Wright (Dartmouth College) presents "Daily Life in the Transnational Migrant Community of San Agustín, Oaxaca and Poughkeepsie, New York." Kaprielian Hall, Rm. 417. Free. (740-0050)

Sunday, Feb. 25, 2 p.m.: **Natural History Museum Lecture.** Michael Robinson (Smithsonian Institution) presents "Beyond the Zoo: The BioPark & Spiders." Jean Delacour Auditorium, 900 Exposition Blvd., Exposition Park. Free. (744-3534)

Monday, Feb. 26, noon: **Population Research Seminar.** Mike Males and Ken Chew (UC Irvine) discuss "Those Terrible Teenagers: Revisionist Data on



Poet James Ragan reads from his latest book of verse, *The Hunger Wall*, at the Faculty Center on Thursday, Feb. 22, at noon.

Damon Runyon-inspired fable about Nathan Detroit and his crap shootin' cronies takes the stage this week for performances on Saturday, Feb. 24, at 8 p.m.; Sunday, Feb. 25 at 2 p.m. and Monday, Feb. 26, at 7 p.m. Tickets are \$10, and \$5 for students from the USC Ticket Office at 740-7111. *See article, page 12.*

► COMPLETELY BEETHOVEN

Cellist Ronald Leonard, Piatigorsky Professor of Violincello, and pianist Kevin Fitz-Gerald of the School of Music, kick off a series of spring faculty recitals in the Hancock Auditorium with a special performance of the complete Beethoven

Sonatas and Variations for Piano and Cello. The five sonatas and three sets of variations will be performed on two Tuesday evenings. The first concert – featuring Sonata No. 2, op. 5; Sonata No. 1 and 2, op. 102; and Variations on Mozart's *Ein Mädchen oder Weibchen* – takes place Tuesday, Feb. 20. The second – a performance of the Sonata No. 1, op. 5; the Sonata, op. 69; Variations on Mozart's *Bei Männern, welche Liebe fühlen*; and Handel's *Judas Macabaeus* – follows on Tuesday, Feb. 27. Both concerts begin at 8 p.m. Tickets for each of the recitals are \$5, and \$2 for students from the USC Ticket Office at 740-7111.

C A L E N D A R

Bad Behavior Among American Adolescents." Population Research Laboratory, Rm. 387, Research Annex, 3716 S. Hope St. Free. Brown-bag your lunch; beverages provided. (743-2950)

Monday, Feb. 26, 4:15 p.m.: Physics & Astronomy Colloquium. "Photonic Implementation of Neural Networks" by Armand Tanguay (electrical engineering/electrophysics). Stauffer Lecture Hall, Rm. 102. Refreshments served, 3:45 p.m. Free. (740-0848)

Workshops & Conferences

Monday, Feb. 19, 6:30 p.m.: Small Business Workshop. "Getting the Small Business Loan" by Robin Cornwall (Business Expansion Network). Suite One, University Village, 3375 S. Hoover St. Admission: \$30, \$25. (743-1726)

Tuesday, Feb. 20, noon: Internet and World Wide Web Seminars. "E-mail clinic." **Wednesday, Feb. 21, noon:** "Cultural Diversity on the Internet." **Thursday, Feb. 22, noon:** "Media Capture and Integration for Web Authoring." Leavey Library Auditorium. Free. (740-

8823; lacy@calvin.usc.edu)

Wednesday, Feb. 21, 10 a.m. and Thursday, Feb. 22, 1 p.m.: Internet Resources Workshops. "Introduction to the Internet and the Internet Gopher" and "Internet: The World Wide Web," respectively. Basic computer skills prerequisite. Norris Medical Library, microcomputer classroom. Reservations required. Free. (342-1968)

Thursday, Feb. 22, noon: Staff Development Workshop. "Weight Watchers At Work." Darlene Scalzo (Weight Watchers) introduces a new plan. Montgomery Ross Fisher Bldg., Rm. 229. Free. (740-0126)

Feb. 23-24: Graduate Student English Conference. "Behind Their Backs: Alternative Discourses in Question." **Friday:** Opening Remarks: James Kincaid (English), 5 p.m.; featured speaker: Eve Kosofsky Sedgwick (Duke University), 5:30 p.m. **Saturday:** Panel discussion on topics including: "Academic Norms and Marginality," "Feminist Theory: Transcending Binaries," "Nation and Exploitation," and "Telling/Not Telling." Mark Taper Hall of Humanities, Rm. 201. Registration required. Admission: \$10 (includes meals and conference T-shirt). (764-9295; faherty@scf.usc.edu)

Friday, Feb. 23, 7:30 a.m.-5 p.m.: Health Symposium. "The Two Health Revolutions: Molecular Biology and Managed Care." Keynote speaker: Leroy Hood (University of Washington) speaks on "Genes, Genomes and Medicine of the 21st Century," 9 a.m. Luncheon address: Zev Yaroslavsky (Los Angeles County Supervisor) discusses "Los Angeles County's Health Care Crisis: Meeting the Challenge," 12:25 p.m. Speakers include: Floyd E. Bloom (Scripps Institute), Robert H. Brook (RAND), Alexander Morgan Capron (law & medicine), Joel Greenberg (*Los Angeles Times*),

Margaret Jordan (Dallas Medical Resources), Elizabeth F. Neufeld (UCLA), Warren Olney (KCRW), Robert E. Tranquada (public administration). Hancock Auditorium. Advance registration required. Refreshments served. Free. (740-0546)

Monday, Feb. 26, 1 p.m.: Database Searching Workshop. "Basic MedInfo MedLine Searching." UNIX account prerequisite. Norris Medical Library, microcomputer classroom. Reservations required. Free. (342-1968)

Film & Theater

Thursday, Feb. 22, 7 p.m.: International Film Club. *Eréndira* (Mexico, 1983), directed by Ruy Guerra, the third of six films from around the world on the theme of "Reality?" Taper Hall of Humanities, Rm. 202. Admission: \$3. (740-2666)

Saturday, Feb. 24, 8 p.m.; Sunday, Feb. 25, 2 p.m.; Monday, Feb. 26, 7 p.m.: Bing Theater. Frank Loesser's classic musical *Gypsy* and *Dolls*. Admission: \$10, \$5. (*For description, see above.*) (740-7111)

IMAX Theater. Daily through March: *Stormchasers*, noon, 2, 4, 6 and 8 p.m.; *Yellowstone*, 11 a.m. and 5 p.m.; *Search for the Great Sharks*, 1, 3, 7 and 9 p.m.; *Africa: The Serengeti*, 10 a.m. California Museum of Science and Industry, 700 State Drive, Exposition Park. Admission: \$6, \$4.75, \$4. (744-2014; for groups and advance bookings, 744-2016)

Music

Tuesday, Feb. 20, 8 p.m.: USC Faculty Recital. Ronald Leonard, cello. Kevin Fitz-Gerald, piano. *See Highlights, above.*

Wednesday, Feb. 21, 12:10 p.m.: Music at Noon: Musicians from

the School of Music perform. United University Church, 817 W. 34th St. Free. (740-7111)

Thursday, Feb. 22, 8:00 p.m.: 'SC Jazz at Ground Zero. USC jazz combos and musicians from the Jazz Studies Program perform. Free. (740-3119)

Friday, Feb. 23, 8 p.m.: Classical Guitar Recital. Gordon O'Brien, winner of the Stotenberg International Competition, USC 1995, performs works by Bach, Albeniz, Brouwer and others. Hancock Auditorium. Admission: \$5, \$2. (740-7111)

USC Radio

Wednesday, Feb. 21, 8 p.m.: Music from USC. USC Symphony. Jorge Mester, guest conductor. David Louie, piano. Rachmaninoff: Piano Concerto No. 3 in D Minor. KUSC, 91.5 FM. (743-2165)

Saturday, Feb. 24, 10:30 a.m.: Texaco Metropolitan Opera. Mozart: *Così fan tutte*. Cast: Carol Vaness, Susanne Mentzer, Cecilia Bartoli, Jerry Hadley, Dwayne Croft and Thomas Allen. James Levine, conductor. KUSC, 91.5 FM. (743-2165)

Sports

Thursday, Feb. 22, 4 p.m. and Friday, Feb. 23, 7 p.m.: Men's Volleyball. USC vs. Hawaii. Lyon University Center. Admission: \$5, \$3. (740-GOSC)

Thursday, Feb. 22, 7 p.m.: Men's Basketball. USC vs. UCLA. Los Angeles Sports Arena. Admission: \$15. (740-GOSC)

Saturday, Feb. 24, 1 p.m.: Women's Swimming. Trojan Invitational. McDonald's Olympic Swim Stadium. Free. (740-GOSC) ♦

USC Chronicle welcomes calendar listings from all areas of the university. Items should be submitted in writing to:

Calendar Editor
KAP 246, mc 2538, 740-6156
University Park Campus
e-mail: lartzen@bcbf.usc.edu

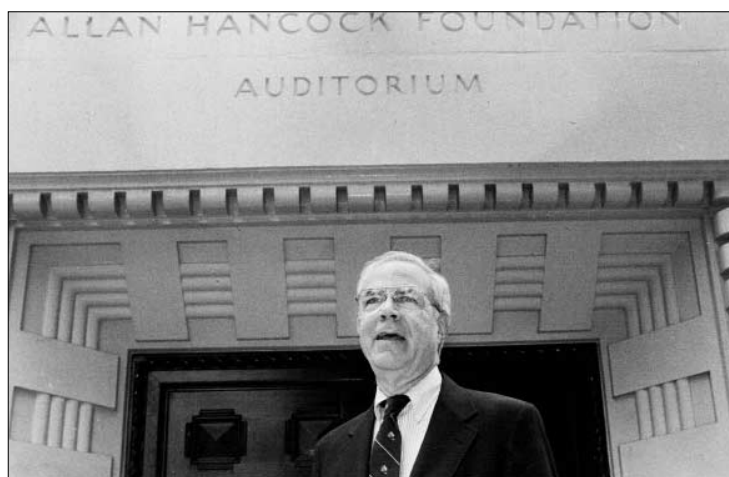
Listings must be received no later than noon Thursday 11 days before the week of the event.

All listings should include date, time, place and descriptions of events, along with telephone number for information. Forms for submitting calendar events are available from the USC News Service at the above address.

The deadline for submitting notices of events to be held the weeks of March 4-11 and March 11-18, is noon Thursday, Feb. 22.



Francis Cotes' classic 18th-century portrait, Arthur Maister of Hull, is part of the exhibition "A Selection of British Paintings from the Elizabeth Holmes Fisher Collection," which runs through April 6 in the Fisher Gallery.



IOM symposium planning committee chair Robert E. Tranquada, at Hancock Auditorium.

IOM symposium

► continued from page 1

Hancock Auditorium, is followed by a dinner honoring IOM members from Southern California, held in Town and Gown Foyer.

"It's a special privilege for USC to host this regional celebration," said Robert E. Tranquada, the Norman Topping/National Medical Enterprises Professor of Medicine and Public Policy and chair of the IOM symposium planning committee. "We look forward to a thoroughly stimulating day with some of the region's best minds focused on these two critical issues."

Besides Tranquada, USC faculty who belong to the IOM are: University Professor of Law and Medicine Alexander M. Capron, professor emeritus of dentistry Clifton

O. Dummett, professor of preventive medicine Brian E. Henderson, professor emeritus of pediatrics Barbara M. Korsch, professor and chair of preventive medicine Malcolm C. Pike, dean of medicine Stephen J. Ryan, professor of research medicine William B. Schwartz and professor of dentistry Harold Slavkin.

IOM members are elected based on their professional achievement. Approximately half of the 600 members nationwide are M.D.s, all of whom are leading experts in their fields. In addition, distinguished authorities in ethics, economics, law, physics, engineering, nursing, dentistry and health-care research and public health are also included.

The IOM, founded in 1970, is charged "with a mission

to advance scientific knowledge and the health and well-being of all people of the nation and the world in accordance with its mandate from Congress." It accomplishes this, Tranquada said, by providing independent, objective, timely and authoritative information to government, the professions and to the public.

The organization's current president, Kenneth I. Shine, will give closing remarks both at the symposium and at the dinner. Keynote speaker at the dinner is Dean T. Jamison, professor of public health and education and director of the Center of Pacific Studies at UCLA.

Registration for the Feb. 23 symposium begins at 7:30 a.m., with opening remarks and a

screening, health-care economics, maintaining quality of health care, industry's views on the two revolutions, and ethics and law.

USC's Henderson speaks at 10:10 a.m. on "Genetic Susceptibility to Cancer from Exogenous and Endogenous Exposures;" and at 3:20 p.m., Capron gives a talk on "Ethics and Law: Genetic Discrimination in Insurance."

Other speakers include experts from the Scripps Research Institute, UCLA, Cedars-Sinai Medical Center, UCSD, Blue Cross of California and Dallas Medical Resources.

The final session is a panel discussion exploring "Genetics and Health-Care Delivery." The dialogue will be moderated by

Warren Olney, host of KCRW's "Which Way L.A.?" The panel will be made up of USC's Capron and Schwartz, Rand Corp. health sciences program director Robert H. Brook and *Los Angeles Times* health and science editor Joel Greenberg.

Lunch will be provided to those who pre-register for the symposium. Los Angeles County supervisor Zev Yaroslavsky is the luncheon speaker.

Other events associated with the 25th anniversary include regional lectures and symposia in New York and Boston.

Though it is geared for members of the Southern California medical and scientific communities, the symposium is open to the public. "Anyone in the USC community interested in attending is welcome," said Tranquada. For more information, call Robyn Alexander at 740-0546. ♦

IOM symposium program

THE SCHEDULE OF SPEAKERS AT THE ALL-DAY SYMPOSIUM, "The Two Health Revolutions: Molecular Biology and Managed Care," is as follows:

- 7:30 a.m. – Registration and continental breakfast;
- 8:30 a.m. – Opening remarks and program overview, Robert E. Tranquada, Norman Topping-National Medical Enterprises Chair in Medicine and Public Policy and director of the Health Services Administration Program at USC's School of Public Administration;
- 8:45 a.m. – Welcoming remarks, Phillip L. Williams, *Times Mirror*;
- 9 a.m. – "Genes, Genomes and Medicine of the 21st Century," Leroy Hood, chair of molecular biotechnology at the University of Washington.

Session I: The Genetic Revolution

- 9:45 a.m. – "Developmental Neuroscience: Molecular Clues to Human Brain Disorder," Floyd E. Bloom, chair of neuropharmacology – the Scripps Research Institute;
- 10:10 a.m. – "Genetic Susceptibility to Cancer from Exogenous and Endogenous Sources," Brian E. Henderson, professor of preventive medicine at USC's School of Medicine;
- 10:35 a.m. – Break;
- 10:50 a.m. – "Genetic Advances in Metabolic Disorders," Elizabeth F. Neufeld, chair of biological chemistry at UCLA's School of Medicine;
- 11:15 a.m. – "Biological Imaging in Humans: From Metabolism to Gene Expression," Michael E. Phelps, chair of molecular and medical pharmacology, director of the Crump Institute for Biological Imaging, and associate director of the Laboratory of Structural Biology and Molecular Medicine at UCLA's School of Medicine;
- 11:40 a.m. – "Molecular Genetics and Managed Care: Convergence of the Two Revolutions," David L. Rimoin, chair of pediatrics and director of the Medical Genetics Birth Defects Center at Cedars-Sinai Medical Center, and professor of pediatrics and medicine at UCLA's School of Medicine;
- 12:05 a.m. – Break;
- 12:25 a.m. – Luncheon Address, "Los Angeles County's Health Care Crisis: Meeting the Challenge," Zev Yaroslavsky, supervisor, 3rd District, County of Los Angeles.

Session II: The Health-Care Revolution

- 1:45 p.m. – "Population-Based Genetic Screening: Experience and Perspective," Michael M. Kaback, professor of pediatrics and reproductive medicine, UCSD's School of Medicine;
- 2:05 p.m. – "Are the New Health Care Economics Science Friendly?," Leonard D. Schaeffer, chairman and CEO, Blue Cross of California;
- 2:25 p.m. – "Maintaining Quality in the New Health Care Environment," Robert H. Brook, professor of medicine and health services at UCLA's Center for Health Sciences, and director of health sciences programs at the RAND Corp.;
- 2:45 p.m. – Break;
- 3 p.m. – "How Does Industry View the Two Revolutions?" Margaret Jordan, president and CEO, Dallas Medical Resources;
- 3:20 p.m. – "Ethics and Law: Genetic Discrimination in Insurance," Alexander M. Capron, Henry W. Bruce Professor of Law, University Professor of Law and Medicine, co-director of the Pacific Center for Health Policy and Ethics at USC's Law School;

Session III: Panel on Genetics and Health-Care Delivery

- 3:40 p.m. – Moderator: Warren Olney, Host of KCRW Radio's "Which Way L.A.?"
- 4:55 p.m. – Closing remarks: Kenneth I. Shine, Institute of Medicine, National Academy of Sciences.

– C.S.

FOR THE RECORD

JOB OPENINGS

The following are newly listed positions at the university and previously listed jobs that had not yet been filled as of February 9, 1996. Full job descriptions and minimum requirements are available at the Employment Office.

It is the university's policy that employees who are laid off receive priority in being relocated to other positions for which they qualify. When applying for a position, please refer to the job title, grade level and requisition number. The Jobs Still Available sections below have been edited for space and do not necessarily represent an exhaustive listing of openings. For complete job listings, visit the Employment Office at 3535 S. Figueroa St., Room 100, on the University Park Campus, or 1975 Zonal Ave., KAM 409, at the Health Sciences Campus. For more information, call 740-7252 at UPC or 342-1010 at HSC. An employee representative for disabled persons is available on the employment staff.

EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION POLICY

The University of Southern California is proudly pluralistic and firmly committed to providing equal opportunity for outstanding men and women of every race, creed and background.

This university is also firmly committed to complying with all applicable laws and governmental regulations at the federal, state and local levels which prohibit discrimination, or which mandate that special consideration be given, on the basis of race, religion, national origin, gender, age, Vietnam veteran status, disability, sexual orientation, or any other characteristic which may from time to time be specified in such laws or regulations. This good-faith effort to comply is made even when such laws and regulations conflict with each other.

USC strives to build a community in which each person respects the rights of other people to be proud of who and what they are, to live and work in peace and dignity and to have an equal opportunity to realize their full potential as individuals and members of society. To this end the university places great emphasis on those values and virtues that bind us together as human beings and members of the Trojan Family.

NEW JOBS (UPC)

Systems Programmer IV (JC165319) - Req. 30809 - UCS/UNIX Systems - (Grade L)

Administrative Services Coordinator II (JC111031) - Req. 31755 - LAS/Administration - (Grade I)

Administrative Services Coordinator II (Grade I)

Computer Services Consultant II (JC165411) - Req. 30868A - UCS/User Services - (Grade I)

Financial Aid Counselor II (JC137411) - Req. 30286A & 30287A - Financial Aid - (Grade I)

Manager, Auxiliary Services (JC143019) - Req. 32188 - Dining Services/Seaver - (Grade I) (Position reopened - originally posted Bulletin October 16, 1995)

Program Specialist (JC133011) - Req. 31752 - LAS/Master's, Professional Writing (MPW) - (Grade I)

Project Specialist (JC135011) - Req. 30915A - Social Work - (Grade I)

Academic Review Counselor (JC137107) - Req. 29907 - Dentistry - (Grade H)

Engineering Technician II (JC171707) - Req. 31251 - Civil/Environmental Engineer (Grade H)

Arts Laboratory Specialist (JC169015) (Concert Manager) - Req. 31015A - Music - (Grade H)

Research Laboratory Technician III/Supervisor (JC185019) - Req. 30163 - LAS/Southern California Studies Center - (Grade H)

Administrative Assistant (JC111019) - Req. 31166A - School of Education (Grade G)

Administrative Assistant (JC111019) - Req. 31793 - University Advancement/Consortium (Grade G)

Student Services Assistant (JC137517) - Req. 31751 - LAS/MPW (Grade G)

Assistant Buyer (JC157011) - Req. 30927A - Auxiliary Services/Purchasing (Grade F)

Head Teacher (JC159019) - Req. 31750 - LAS/Early Childhood-Civic & Community Relations (Grade F)

Data Entry Operator II (JC163011) - Req. 31806 - LAS/SoCal Studies Center (Grade D)

Star Team I (JC179407) - Req. 31706 - Facilities Management (Grade PD) (Internal Candidates Only)

JOB STILL AVAILABLE (UPC)

Assistant Vice President (JC199035) - Req. 30772 - University Advancement/Regional (Grade 99)

University Counsel II (JC125011) - Req. 32382 - General Counsel (Grade M)

MIS Director (Decentralized) (JC165707) - Req. 29572 - Architecture (Grade L)

Program Director (JC133019) - Req. 32291

- KUSC Radio (Grade L)

Program Director (JC133019) (Director, Language Center) - Req. 31813 - LAS/Administration (Grade L)

Program Director (JC133019) - Req. 31873 - Programming and Data Processing (Grade L)

Program Director (JC133019) - Req. 30341A - University Advancement/GAA (Grade L)

Systems Programmer IV (JC165319) - Req. 30425A - Computer Science (Grade L)

Systems Programmer IV (JC165319) - Req. 31289A, 30264A, 30265 & 30621 - Engineering/ISI (Grade L) Note: Positions are Located In The Wash. D.C. Area.

Development Officer III (JC129325) - Req. 30845 - Law Center (Grade K)

Development Director III (JC129325) (Regional Director Of Development) - Req. 30327, 30328A & 30329A - University Advancement/Development (Grade K)

MIS Manager (JC165703) - Req. 30557A - SBA/Information Resources (Grade K)

Program Manager (JC135015) - Req. 29910 - Dentistry (Grade K)

Program Manager (JC135015) (Program Advisor) - Req. 30995A - Engineering/ISI (Grade K) Note: Position Is Located In The Wash. D.C. Area.

Public Communications Specialist (JC129119) - Req. 32510 - International Relations/CIS/PCIP (Grade K)

Radio Program Host, KUSC (JC193023) - Req. 31830 - USC Radio (Grade K)

Staff Psychologist (JC187207) - Req. 29589 & 29590 - Student Health Center (Grade K)

Systems Programmer III (JC165315) - Req. 30262 - Engineering/ISI (Grade K) Note: Position Is Located In The Wash. D.C. Area.

Systems Programmer III (JC165315) - Req. 30518 - UCS Systems/Research And Development (Grade K)

VLSI Design Engineer, Senior (JC167403) - Req. 30267A - Engineering/ISI (Grade K)

Computer Consultant Specialist (JC165423) - Req. 30465A - SBA/Information Resources (Grade J)

Personnel Supervisor (JC117015) (Assistant Employment Manager) - Req. 29852 - Employment/Personnel Services (Graight Administration) (Grade J)

VLSI Design Lab Engineer (JC167163) - Req. 30998 - Engineering/ISI (Grade J)

Lieutenant (JC147031) - Req. 32161 - Public Safety (Grade QH)

Administrative Services Coordinator II (JC111031) - Req. 31777 - Mechanical Engineering (Grade I)

Child Care Program Specialist (JC159023) - Req. 32316 - LAS/Head Start (Grade I)

Computer Services Consultant II (JC165411) - Req. 32132 - Gerontology (Grade I)

Computer Services Consultant II (JC165411) - Req. 30861A - UCS/User Servight Administration (Grade J)

VLSI Design Lab Engineer (JC167163) - Req. 30998 - Engineering/ISI (Grade J)

Lieutenant (JC147031) - Req. 32161 - Public Safety (Grade QH)

Administrative Services Coordinator II (JC111031) - Req. 31777 - Mechanical Engineering (Grade I)

Child Care Program Specialist (JC159023) - Req. 32316 - LAS/Head Start (Grade I)

Computer Services Consultant II (JC165411) - Req. 32132 - Gerontology (Grade I)

Computer Services Consultant II (JC165411) - Req. 30861A - UCS/User Services (Grade I)

Computer Services Consultant II (JC165411) (Research Computing Support Consult) - Req. 30222 - SBA/Keck Center (Grade I)

Data Network Engineer IV (JC167119) - Req. 30256 - Engineering/ISI (Grade I)

Editor/Writer II (JC129015) - Req. 31149A - Public Administration (Grade I)

Manager, Auxiliary Services (JC143019) - Req. 31273A - Bookstore/EduTech (Grade I)

Manager, Auxiliary Services - (JC143019) - Req. 31741 - Bookstore/Health Sciences Campus (Grade I)

Manager, Auxiliary Services (JC143019) - Req. 26352 - Housing/South Complex (Grade I)

Program Specialist (JC133011) (Mgr. Human Resources) - Req. 31730 - Auxiliary Services/Human Resources (Grade I)

Program Specialist (JC133011) - Req. 31810 - Earth Sciences (Grade I)

Program Specialist (JC133011) - Req. 31244A - International Studies (Grade I)

Program Specialist (JC133011) - Req. 31860 - University Libraries/Professional Center (Grade I)

Program Specialist (JC133011) - Req. 30755A - University Advancement/Gen Alumni Association (Grade I)

Programmer/Analyst II (JC165215) - Req. 31215A - AIS/Student Information Systems (Grade I)

Sales/Marketing Manager (JC127017) - Req. 29545 - Student Affairs/USC Travel Service (Grade I)

Specialized Equipment Manager (JC155023) - Req. 30865 - UCS/Operations and Facilities (Grade I)

Student Programs Advisor II (JC137615) (Director, Academic Recognition Programs) - Req. 29870 - Office of the Vice President, Student Affairs (Grade I)

Support Services Supervisor II (JC151019) - Req. 32351 - AIS/Production Services (Grade I)

Administrative Services Coordinator I (JC111027) (50%) - Req. 29875 - Academic Achievement Program (Grade H)

Administrative Services Coordinator I (JC111027) - Req. 29903 - Dentistry (Grade I)

Administrative Services Coordinator I (JC111027) - Req. 29808 - WES-RAC (Grade H)

Contracts & Grants Administrator I (JC121011) - Req. 31225A - Contracts & Grants/HSC (Grade H)

Financial Aid Counselor I (JC137407) - Req. 30284A - Financial Aid (Grade H)

Graphic Designer (JC171315) - Req. 30232A - Support Services (Grade H)

Mgr. Auxiliary Services (JC143019) (Payroll Manager) - Req. 30667A - Auxiliary Services/Human Resources (Grade H)

Student Programs Advisor I (JC137611) - Req. 30202 - Athletics (Grade H)

Student Programs Advisor I (JC137611) (Facility Coordinator) - Req. 29873 - Student Affairs/Intramurals & Recreation (Grade H)

Student Programs Advisor I (JC137611) - Req. 29876 - Residential and Greek Life (Grade H)

Student Services Advisor I (JC137519) - Req. 32314 - LAS/Master of Professional Writing (Grade H)

Admissions Counselor I (JC137307) - Req. 29902 - Dentistry (Grade H)

Assistant Basketball Coach, Men's (JC131115) - Req. 30492A - Athletics (Grade 00)

Assistant Football Coach (JC131115) - Req. 31894 - Athletics (Grade 00)

Elevator Maintenance Mechanic (JC179339) - Req. 32105 - Facilities Management (Grade PN)

Air Conditioning Technician (JC179315) - Req. 30710A - Facilities Management (Grade PM)

Operating Engineer (JC179367) - Req. 32113 - Facilities Management/HSC (Grade PK)

Public Safety Officer I (JC147019) - Req. 30392, 30396 & 32169 - Public Safety (Grade QE/S30,500-S35,500)

CSO I (JC147007) - Req. 32160, 32162, 32165, 32166 & 32167 - Public Safety (Grade QA/S20,600-S23,800)

Lead Registered Nurse (JC187523) - Req. 29588 - SHC (Grade HG/S37,000-S64,500)

Project Manager - Req. 2880 - Internal Medicine - (Grade K)

Program Specialist - Req. 1778 - USCP Radiology - (Grade I)

Admissions Counselor I - Req. 1056 - PA Program/Family Medicine - (Grade H)

Nurse Midwife - Req. 1166 - USCP Ob/Gyn - (Grade HH)

Registered Nurse - Req. 1605 - USCP General Administration - (Grade HF)

LVN - Req. 1169 - USCP Ob/Gyn - (Grade HD)

Clinic Assistant - Req. 1170 - USCP Ob/Gyn - (Grade HC)

Secretary II (60%) - Req. 1788 - Medicine - (Grade F)

Research Lab Tech I (50%) - Req. 2939 - Neurology - (Grade D)

JOB STILL AVAILABLE (HSC)

Development Director - Req. 1720 - Development - (Grade M)

Program Director (50% to 100%) - Req. 2905 - Molecular Microbiology - (Grade L)

Sr. Clinical Administrator - Req. 1209 - USCP/Surgery - (Grade L)

Project Manager - Req. 0256 - USC Physicians - (Grade K)

Accountant I - Req. 2891 - Radiology - (Grade I)

Administrative Services Coordinator-Clinical - Req. 0400 - Vivaria - (Grade I)

Appointment & Promotion Coord. - Req. 2892 - Radiology - (Grade I)

Programmer Analyst II - Req. 0347, 1648 - Preventive Medicine - (Grade I)

Program Specialist - Req. 1616 - Family Medicine - (Grade I)

Program Specialist - Req. 1774 - Pediatrics/Medical Education - (Grade I)

Project Specialist (50-100%) - Req. 0838, 0833 - IPR - (Grade I)

Project Specialist - Req. 1232 - Pharmacy - (Grade I)

Project Specialist - Req. 1201, 0342 - Preventive Medicine - (Grade I)

Project Specialist - Req. 1669 - USCP Head & Neck - (Grade I)

Administrative Services Coordinator I - Req. 0831 - IPR - (Grade H)

Administrative Services Coordinator I - Req. 06946 - Medicine/G.I. Liver - (Grade H)

Computer Services Consultant I - Req. 1750 - Preventive Medicine - (Grade H)

Graphic Designer - Req. 2913 - Peds/Instructional Imag. Center - (Grade H)

Programmer Analyst I - Req. 1692 - SOM/Faculty Records Office - (Grade H)

Research Lab Tech III/Supv. - Req. 1306 - Gene Therapy Lab - (Grade H)

Research Lab Tech III/Supv. - Req. 1695 - Preventive Medicine - (Grade H)

Staff Perfusionist - Req. 2840 - USCP Surgery - (Grade HH)

Clinic Manager - Req. 2862 - USC Physicians - (Grade HH)

Nursing Supvr. - Req. 0377 - Medicine/Hematology - (Grade HH)

Nurse Practitioner - Req. 1632 - Pediatrics - (Grade HH)

Physical Therapist II - Req. 2958 - Physical Therapy - (Grade HC)

Clinical Lab Technologist - Req. 0031, 1185 - Pathology - (Grade HF)

Registered Nurse - Req. 1763 - USCP Surgery - (Grade HF)

Research Nurse - Req. 1004 - Family Medicine - (Grade HF)

Research Nurse - Req. 1631 - Pediatrics/CMC-HMRC - (Grade HF)

Specialized Imaging Technologist - Req. 0834 - IPR - (Grade HF)

Specialized Imaging Technologist - Req. 1415 - Medicine - (Grade HF)

Account Representative - Req. 1208, 1719, 1654 - USCP Surgery - (Grade HD)

LVN - Req. 0919 (60%) - Pediatrics/LAC - (Grade HD)

Medical Secretary I - Req. 1210, 1215, 1766 - USCP/Surgery - (Grade HD)

Billir - Req. 2953 - USCP Orthopaedics - (Grade HC)

Clinic Assistant - Req. 1251 - Family Medicine - (Grade HC)

Clinic Assistant (60%) - Req. 1064 - Pediatrics - (Grade HC)

Clinic Assistant - Req. 1640, 1634 - Pediatrics/CMC-HMRC - (Grade HC)

Billing Assistant - Req. 1219, 1650 - USCP Surgery - (Grade HB)

Clinical Lab Asst. - Req. 1198 - Clinical Labs - (Grade HB)

RESEARCH ASSOCIATES

Research Associate - Req. 0601, 1010 - Biochemistry - (Grade 00)

Research Associate - Req. 0091, 0093, 06928 - Cell & Neurobiology - (Grade 00)

Research Associate - Req. 2871 - Institute for Genetic Medicine - (Grade 00)

Research Associate - Req. 06715 - Microbiology - (Grade 00)

Research Associate - Req. 1039, 1699 - Neurology - (Grade 00)

Research Associate - Req. 06661, 0706, 2988 - Pathology - (Grade 00)

Research Associate - Req. 0918 - Pediatrics/CMC-HMRC - (Grade 00)

Research Associate - Req. 0741, 05965, 06444, 1241, 1239 - Pharmacy - (Grade 00)

Research Associate - Req. 1326 - Physiology & Biophysics - (Grade 00)

Research Associate - Req. 1226, 06572 - USCP - (Grade 00) ♦

More Job Info:

Generic descriptions for all university positions are available on the World Wide Web at: <http://www.usc.edu/dept/personnel/emplopps.htm>. For a partial listing of new openings, call the university's job-line at 740-4728.

Dames and dice

Guys need dolls, see – it's as simple as that. "A guy without a doll – well, if a guy does not have a doll – who would holler at him? A doll is a necessity."

by Christine E. Shade

So says Nathan Detroit, proud proprietor of the "oldest, established, permanent, floating crap-game in New York."

But complications arise when the guys are professional gamblers and the dolls – a prim Salvation Army-style missionary and an aging nightclub dancer – have respectability on their minds. Things get even more complicated when one gambler bets another that he can't sweet-talk the soul-saving Sgt. Sarah Brown into spending the night with him in Havana.

Add to that a fantastic Frank Loesser score and Damon Runyon's inimitable prose, and you've got *Guys and Dolls*. The classic 1950s musical fable comes to the Bing Theater Feb. 24 for a 10-day run.

The show is part of the School of Theatre's celebration of its 50th season producing dramas and musicals. The cast of more than 40 is directed by Nikki Hevesy, with musical direction by Mitch Hanlon, assistant conductor for the Hollywood Bowl Orchestra. Hanlon received his master's degree from the School of Music in 1989.

The musical's four principal characters are Sgt. Sarah (played by freshman Amy Throckmorton), whose thorny task it is to convert New York's underworld of crap-shooters and chorus girls from sinners to saints; Sky Masterson (played by junior Walker Mullin), a man so addicted to gambling that he once refused penicillin to win a bet that his temperature would rise to 104 degrees; Hot-Box Club chorus girl Adelaide (played by senior Jill Ritchie), who suffers from a perpetual psychosomatic cold caused by a 14-year engagement that never results in a wedding;

and fast-talking shyster Nathan Detroit (played by Matt Garcia, a second-year graduate student in cinema-television), who must find a locale for his crap game or face the wrath of a visiting Chicago gangster.

Hanlon conducts a 20-piece orchestra, backing up musical numbers that include "If I Were a Bell," "Take Back Your Mink" and "Luck Be a Lady." A spirited "Havana" dance number, choreographed by adjunct assistant professor of movement and dance Jay Fuentes, includes voluptuous mambos. The Havana nightclub fight scene – complete with punches and hair-pulling – was choreographed by UC Irvine acting professor Chris Villa.

Guys and Dolls is based on stories by Damon Runyon, a reporter from the Midwest who wrote for *Collier's* in the 1930s. He spun tales of



Gambler "Nicely-Nicely" Johnson (Jonathan Winn) flirts with Hot-Box Club dancer Adelaide (Jill Ritchie), while soul-saver Sgt. Sarah Brown (center, Amy Throckmorton), looks on in disapproval.

the gangsters he "rubbed elbows with in restaurants like Lindy's," said Hevesy. "He romanticized them," she said, "so a lot of the characters have these cowboy Western-hero-type values, even though they're New

York tough guys." Hevesy grew up in New York City, so she knows the flavor of Times Square, and she lived and worked as an actor and director in San Francisco for a dozen years. She founded her own

non-profit theater company and directed a one-man musical for the National Theatre of Uganda, Africa, before returning to school to finish her MFA in directing at the School of Theatre.

Guys and Dolls is Hevesy's thesis project, as it is for stage manager Vanessa J. Noon, costume designer Joan Stapleton-Francis and lighting designer Kris Sandheinrich.

The action takes place on the colorful streets of Times Square, circa the '50s. The 10-set show is complicated, said scenic designer Don Llewellyn, an associate professor and head of scenic design in the School of Theatre. "The original production," Llewellyn said, "was

all painted drops. Our set is more sculptural, a little more real texture."

Since the production couldn't afford neon signs for street scenes, Llewellyn will create the "impression" of neon instead. Other sets call for the moonlit romance of Havana and the steamy stench of a New York sewer.

The show is filled with strong singing voices, said Hevesy, and exceptional dancers. To take advantage of this abundant hoofing talent, Hevesy cast extra nightclub dancers and inserted tap routines that usually get cut from *Guys and Dolls* revivals. One scene will resemble "a Busby Berkeley number, with big headpieces," she said.

The attraction of musical theater, according to Hevesy, is that it combines acting, dancing and singing. "Musical theater is the synthesis of all the art forms," she said.

In *Guys and Dolls*, this fusion creates a magical world where sinners can repent and missionaries can loosen up.

"That's one of the things Damon Runyon did," said Hevesy. "He brought people from all different walks of life together." ♦

In the Bing Theater, curtain times: weeknights Feb. 26, 29, March 1 and 4, at 7 p.m.; Saturday, Feb. 24 and March 2, at 8 p.m.; Sunday, Feb. 25 and March 3, at 2 p.m. Tickets: \$10 general, \$5 student/senior. For ticket information, call the Ticket Office at 740-7111.

"A lot of the characters have these cowboy Western-hero-type values, even though they're New York tough guys."

– Nikki Hevesy



Director Nikki Hevesy rehearses student actors as musical director Mitch Hanlon accompanies them at the piano.